BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work : **Improvements to Roads and Drains at Medarahally Village cross road and Surrounding area in Ward No 12 Shettyhalli, Shettyhalli Sub Division**

Job Code-012-18-000002

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	For drain	**Cum**							
	Medarahalli cross road near masjid w-0269		2	110.00	1.20	1.00	264.00		
	cross road- **w-0265**		2	107.00	1.20	1.00	256.80		
	5th cross - **w-0242**		1	100.00	1.20	1.00	120.00		
	For culverts		4	6.00	1.75	1.00	42.00		
							682.80	175.96	**120145.00**
	Basic Rate	**82.00**							
	add loading & unloading charges	68.00							
	lead for 5 km=5*1.28*2.5	16.00							
	Total	166.00							
	add AW 6%	9.96							
		175.96							
2	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	Medarahalli cross road near masjid w-0269	cum	2	110.00	1.05	0.15	34.65		
	cross road- **w-0265**		2	107.00	1.05	0.15	33.71		
	5th cross - **w-0242**		1	100.00	1.05	0.15	15.75		
	For culverts		4	6.00	1.60	0.15	5.76		
							89.87	5159.02	**463615.00**
	Basic Rate	4867.00							
	Add A.W 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2.2 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								
	For drain bottom	Cum							

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	Medarahalli cross road near masjid w-0269		2	110.00	1.00	0.15	33.00		
	cross road- w-0265		2	107.00	1.00	0.15	32.10		
	5th cross - w-0242		2	100.00	1.00	0.15	30.00		
	for side wall								
	Medarahalli cross road near masjid w-0269		4	110.00	0.15	0.70	46.20		
	cross road- w-0265		4	107.00	0.15	0.70	44.94		
	5th cross - w-0242		2	100.00	0.15	0.70	21.00		
	For culverts bottom						207.24		
	side wall		4	6.00	1.60	0.15	5.76		
	for deck slab		8	6.00	0.35	0.70	11.76		
	Ramp		4	6.00	1.50	0.23	8.28		
			4	6.00	1.20	0.15	4.32		
							237.36	6371.66	**1512377.00**
	Basic Rate	6011.00							
	Add A.W 6%	360.66							
	Total	**6371.66**							
4	KSRB 4-6.4 : **Providing and removing centering, shuttering**, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**								
	Medarahalli cross road near masjid w-0269	**sqm**	2x4	110.00		0.75	660.00		
	cross road- w-0265		2x4	107.00		0.75	642.00		
	5th cross - w-0242		1x4	100.00		0.75	300.00		
	For culverts		4x4	6.00		0.75	72.00		
	for deck slab		4	6.00	0.60		14.40		
			4	15.00		0.30	18.00		
							1706.40	310.58	**529974.00**
	Basic Rate	293.00							
	Add A.W 6%	17.58							
	Total	**310.58**							
5	KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars **Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**								
	for drain	Tonnes		211.56	x	65 kgs	13470.60		
	for cd's			25.80	x	80 kgs	2409.60		
					or say		**15880.20**		
	Basic Rate	60607.00					**15.88**	64243.42	**1020198.00**
	Add A.W 6%	3636.42							
	Total	**64243.42**							
6	**Providing & laying reinforeced cement precast slabs** of mix **CC 1:11/2:3** using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	Medarahalli cross road near masjid	Sqm	2	110.00		0.75	165.00		
	cross road- w-0265		2	107.00		0.90	192.60		
	5th cross - w-0242		1	100.00		0.90	90.00		
	missing slabs		3	23.00		0.90	62.10		
	Approved Rate of Precast slab	**1680.00**					**509.70**	1680.00	**856296.00**

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						Sub Total			~~4759636.00~~
									~~45,26,05~~
7	Add Tender Primium and other charges								~~237982.00~~
									~~49 5287.00~~
8	Miscellaneous and unforeseen charges							L.S	~~2382.00~~
									~~2108.00~~
						Grand Total			5000000.00
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/A1/661/17-18 ದಿನಾಂಕ: 26-12-17
ರೂ [Rs 50.00 lakhs] Rupees Fifty Lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ನೀಡಿದೆ
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/1121/17-18 ದಿನಾಂಕ: 27/12/17
ರೂ. Rs. 50-00 lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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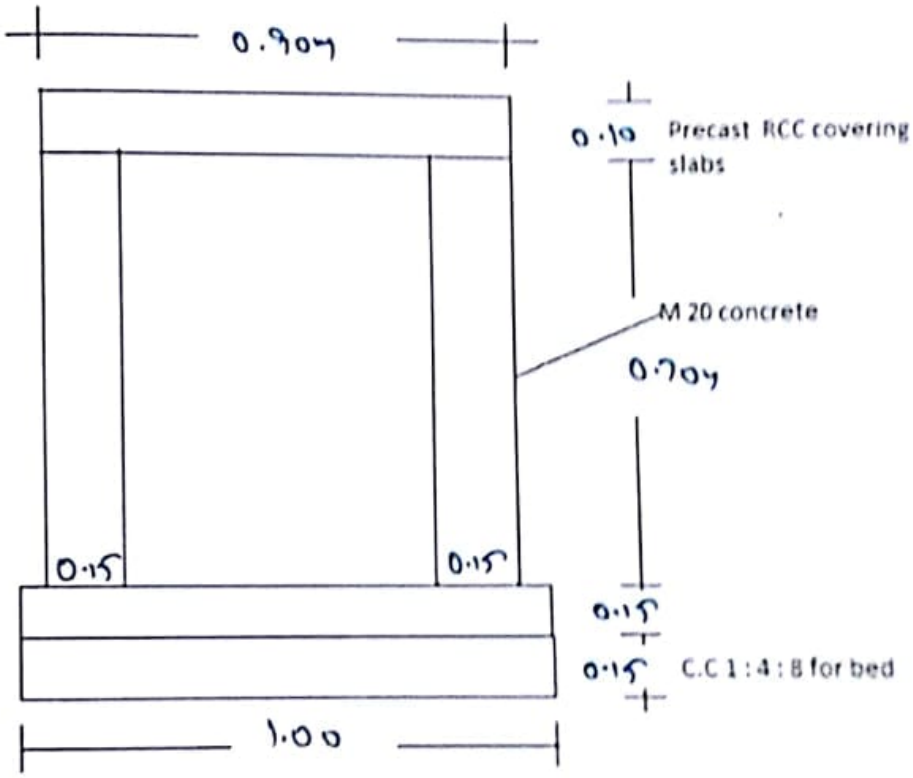
Name of work Improvements to roads and drains at Medarahally Village cross roads and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division.

Estimated cost : Rs 50.00 Lakhs

Job No : .012-18-000002(P. Code-3332)



cross section of RCC drain
@ 4m cross

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division

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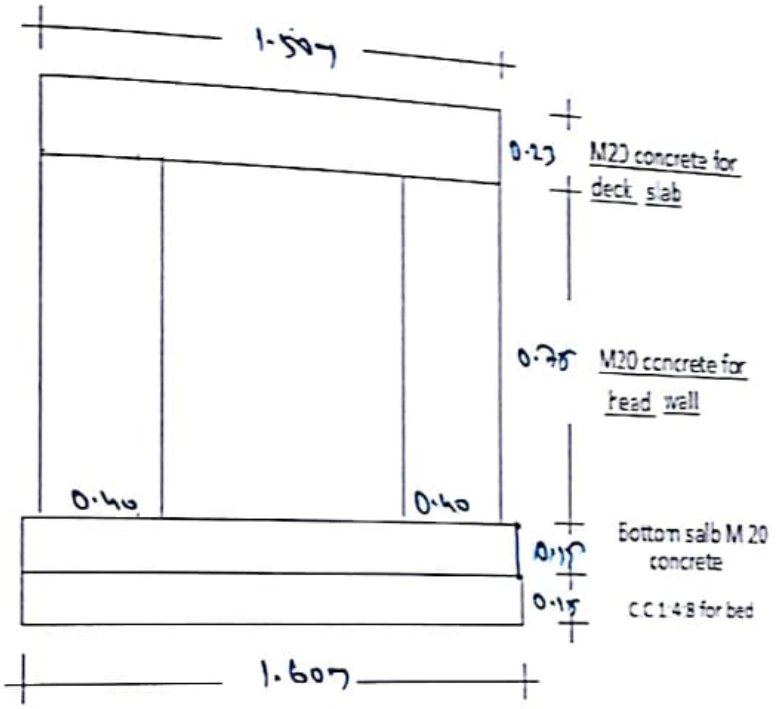
Name of work : Improvements to roads and drains at Medarahally Village cross roads and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division.

Estimated cost : Rs 50.00 Lakhs (Special Development Grant work, P -3332)



cross section of culverts

Assistant Engineer
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Assistant Executive Engineer
Shettyhalli Sub Division

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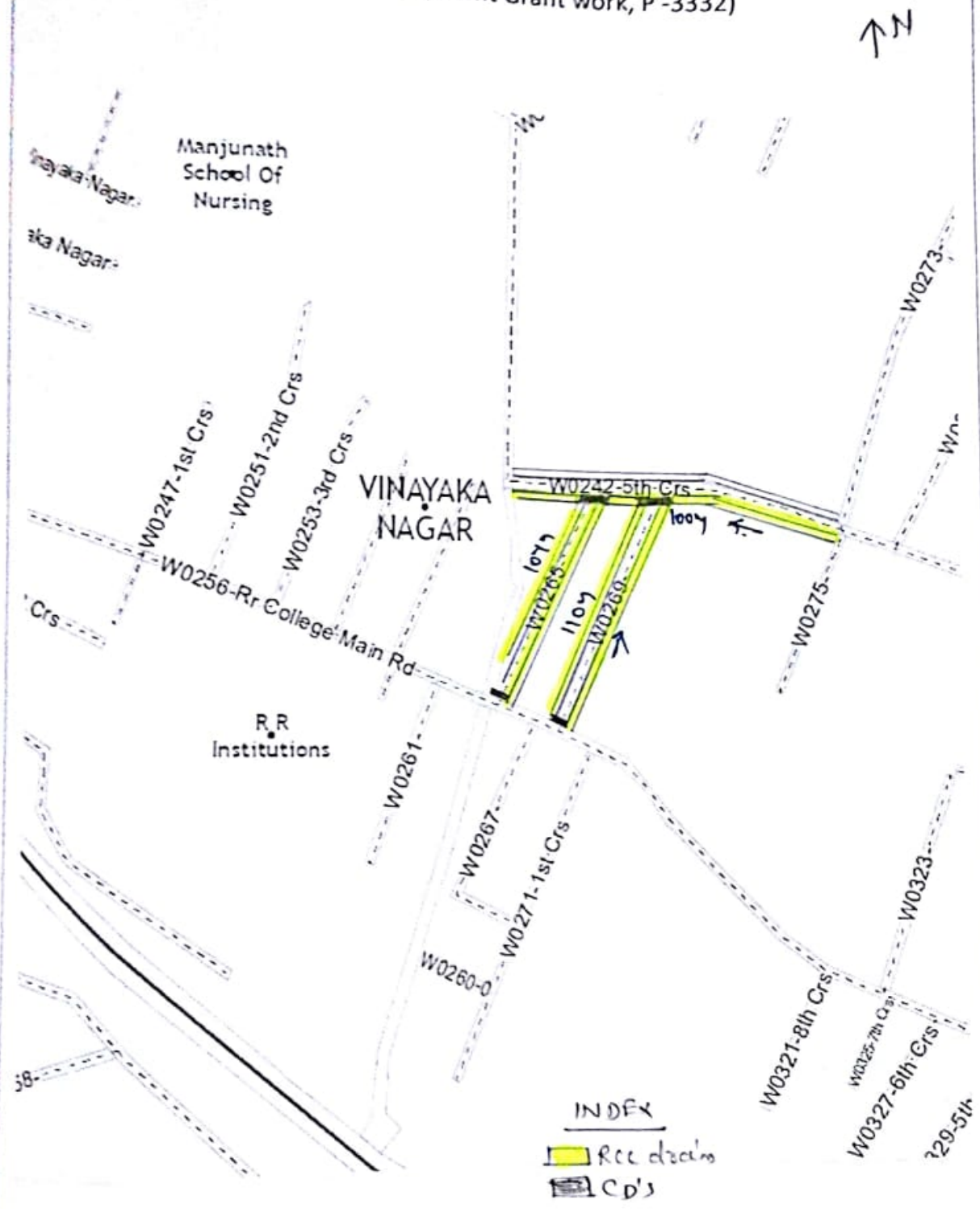
Name of Work: Improvements to roads and drains at Medarahally Village cross roads and surrounding area in Wrad No.12 Shettyhalli,, Shettyhalli Sub Division
(Special Development Grant work, P -3332)



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